

Title (en)
ELECTRICAL CONNECTION DEVICE

Title (de)
ELEKTRISCHE VERBINDUNGSEINRICHTUNG

Title (fr)
DISPOSITIF DE CONNEXION ELECTRIQUE

Publication
EP 1808933 B1 20110406 (EN)

Application
EP 04766959 A 20040924

Priority
ES 2004000421 W 20040924

Abstract (en)
[origin: EP1808933A1] The invention relates to an electrical connection device. The inventive device comprises a casing (5) which can receive a plurality of terminal contacts (7) therein. According to the invention, the terminal contacts (7) are intended to be joined to corresponding external conductors (1) under the action of elastic clamps (11) which can be actuated from the exterior perpendicularly to the plane of the external conductors (1). The aforementioned elastic clamps (11) take the form of a flat spring that forms a loop (12). Both sides of the clamps are equipped with legs (14) which are designed to transmit the forces generated by actuation of the elastic clamps (11) to a lower cap (18), thereby enabling both the terminal contact (7) and the external conductor (1) to be housed between the legs (14). The invention comprises several staggered elastic clamps (11) in which different external conductors (1) can be connected. Each of said elastic clamps (11) can be actuated by push buttons (19) with parallel shafts which are disposed in the same vertical plane.

IPC 8 full level
H01R 4/28 (2006.01); **H01H 45/14** (2006.01); **H01R 4/48** (2006.01)

CPC (source: EP)
H01R 4/48455 (2023.08); **H01R 9/2491** (2013.01); **H01R 9/26** (2013.01); **H01H 50/048** (2013.01)

Cited by
CN102985991A; WO2010141060A1; US9673550B2; DE102013223694B4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1808933 A1 20070718; **EP 1808933 B1 20110406**; AT E504961 T1 20110415; DE 602004032185 D1 20110519;
WO 2006042874 A1 20060427

DOCDB simple family (application)
EP 04766959 A 20040924; AT 04766959 T 20040924; DE 602004032185 T 20040924; ES 2004000421 W 20040924